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The Amplifier - v. 10, no. 2

Associated Students of the Montana School of Mines

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Montana School of Mines AMPLIFIER

Published by the Associated Students of the Montana School of Mines

Happy Thanksgiving

Vol. X, No. 2

BUTTE, MONTANA

Friday, November 20, 1964



Professor McCaslin With His Dream.

Computer Center, MSM

On April 6, 1964, Professor John McCaslin saw a dream come true in the form of a 1620 IBM Digital Computer. MSM is indebted to Professor McCaslin, who almost single-handedly secured the computer for the school.

McCaslin, who received both his B.S. and M.S. degrees from the New Mexico School of Mines, is currently teaching a one-credit course in computer technology and programming to some 60 students, including professors and some freshmen. The Computer Center Director also plans to offer the same course next semester for those students who were unable to enroll in this semester's course.

Although the computer is also available for downtown use by the Anaconda Company and the Montana Power Company, students occupy most of the computer's time. McCaslin reported that students utilized 97% of the total time the computer was in operation. Each major department is planning to have students use the computer on problems that heretofore could not be solved without the use of a computer.

Being able to program a computer to solve engineering problems is becoming essential in a well-rounded engineering curriculum. Having a computer available to all engineering students on campus completes the engineer's education to the point where he is more competitive in industry.

MBMG Issues Bulletin 40

The Montana Bureau of Mines and eGology has issued, as Bulletin 40, a report entitled "Geology and Ore Deposits of the Clinton Mining District, Missoula County, Montana," by Davis E. iHntzman.

The Clinton district was discovered in 1878. It has produced copper, silver, lead and gold having a value of about \$100,000. Most of the ore was obtained from the Hidden Treasure and Cape Nome mines.

Copies of the report can be obtained free of charge by request addressed to the Montana Bureau of Mines and eGology, Room 203-B, Main Hall, Montana School of Mines, Butte.

The district seems unsuited to a large mining operation, but scattered deposits containing a few thousand tons of ore may still be found. The most likely sites are along known veins, especially in the zone of supergene enrichment of sulfide ore, which lies 20 to 100 feet below the surface. A small-mine operator able to find and coordinate the exploitation of several such deposits might make a reasonable profit.

A geologic map and section included in the report show graphically the relationship of the veins and ore deposits to the contact between Precambrian quartzitic rocks and an intrusive granodiorite stock. The relationships are discussed in detail in the text, which is supplemented with additional sketches and diagrams.

INTRODUCTION TO THE SUB

For those of you unfamiliar with the northwestern corner of the campus, this is an inclusive tour of the Sub, and a summary of Sub activities.

The official name of this building is the "Copper Lounge." Before it was built in 1960, there was no building on campus, besides the class rooms, for the students' recreation. The reason for the building of the Sub was to facilitate the extra-curricular activities of the students, and there is hardly an extra-curricular activity existing, which is not carried on in the Sub.

Among the many diverse pastimes enjoyed in the "Students' Corner", are pool and ping pong. Both of these rooms are downstairs and are filled the majority of the time with males, but there is no law, written or unwritten, which prohibits coeds from playing these games. Also downstairs is the lounge, which is used primarily for studying and meetings.

Although the Sub is small, one of its most important parts is the bookstore. This is the source of all supplies and textbooks used in class. It is managed by Mrs. Nile, wife of Dr. Steve Nile.

With the student in mind, the Sub is also equipped with a T.V. room, which can be used by any student at any time. For the meeting of various clubs, there are two rooms, one for regular meetings and one for conferences.

The largest and most popular part of the Sub is the main hall, where, with the possible exception of the pool room, the most interesting activities take place. During the week it is the refuge for weary students, and the scene of the dances on the weekends. The prime point of the main hall is the snack bar, which serves approximately 2,000 cups of coffee a day. For the five years since it has opened, Vesta Scott has been its manager; she is aided at noon by Kathy Burke; Virginia Paynich is the evening manager.

The name Sub is not just a pet name adopted by the students. It is the abbreviation for Student Union Building. Not only is the Sub primarily for the students, it is also managed by a student. Every year, the Student Council chooses a student to manage the Sub, and he, in turn, is given living quarters in the Student Union Building. The present manager is Jack Weaver, a senior in petroleum engineering.

We are proud of the Sub as an institution of the students, organized and operated by the students, for the students.

Home Towns of MSM Students

Location	Total	MEN		WOMEN	
		M	S	M	S
Alaska	1	1	1		
Arizona	1		1		
California	11		10		1
Idaho	1		1		
Illinois	1		1		
Kansas	1		1		
Kentucky	1	1			
Maine	1		1		
Maryland	2		2		
Massachusetts	1		1		
Minnesota	2	1	1		
MONTANA:					
Anaconda, Deer Lodge	48	9	34		5
Billings, Yellowstone	1		1		
Butte, Silver Bow	344	40	226	11	67
Conrad, Pondera Co.	1	1			
Darby, Ravalli Co.	1		1		
Deer Lodge, Powell	5		5		
Dillon, Beaverhead	1	1			
Fort Shaw, Cascade	1	1			
Gardner, Park Co.	1	1			
Glen, Beaverhead Co.	1	1			
Glendive, Dawson	1		1		
Great Falls, Cascade	2		2		
Hamilton, Ravalli	1		1		
Harlowton, Wheatland	1		1		
Havre, Hill Co.	2		2		
Helena, Lewis and Clark	2		2		
Huntley, Yellowstone	1	1			
Hysham, Treasure Co.	1		1		
Kalispell, Flathead	2	2			
Lavina, Golden Valley	1		1		
Lewistown, Fergus	1		1		
Melrose, Silver Bow	3		2		1
Miles City, Custer	1	1			
Missoula, Missoula	1		1		
Philipsburg, Granite	2		2		
Ramsay, Silver Bow	1		1		
St. Regis, Mineral	1	1			
Sheridan, Madison	1		1		
Silver Star, Madison	1	1			
Superior, Mineral	1		1		
Terry, Prairie Co.	2		2		
Trident, Gallatin Co.	1	1			
Walkerville, Silv. Bow	11	1	9		1
White Sulphur Springs, Meagher	1		1		
Whitehall, Jefferson	4	1	3		
New Jersey	3		3		
New York	3		3		
North Carolina	2		2		
Ohio	2	1	1		
Oregon	2		2		
Pennsylvania	3	1	2		
Washington	6		5		1
Wisconsin	1	1			
CANADA:					
Alberta	1		1		
British Columbia	3	1	2		
Manitoba	1		1		
Nova Scotia	1		1		
Ontario	2		2		
Saskatchewan	1	1			
Bolivia	1	1			
Chile	2	1	1		
India	2		2		
Lebanon	1		1		
Malaya	1		1		
Mexico	1		1		
Pakistan	1		1		
Peru	4	2	2		
South Africa	1	1			
RECAP:					
Freshman General	180	6	122	4	48
Freshman Engineering	80	5	75		
Sophomore General	85	10	46	5	24
Sophomore Engrg.	60	10	48		2
Juniors	48	17	28	1	2
Seniors	34	9	25		
Graduate - Degree	22	11	11		
Graduate, Non-Degree	9	7	1		
	518	75	356	11	76
From Foreign Countries.....					
		Total		Per Cent	
Out-of-State Students	23			4.5%	
Montana Students	45			8.7%	
TOTAL	450			86.8%	
	518			100.0%	

Controversy Debated At ASSM Meeting

The controversial subject on representation of general students in the Student Council and the formation of an advisory board to the Student Council were the main topics discussed at the last meeting of ASSM on November 3.

General students were represented by ten delegates who debated the possibility of an advisory board that would give all students a voice in school affairs. This unit would not have a vote in the Student Council but its members would be present at all meetings to discuss any actions or to bring up any subjects that they deem pertinent to general students. The Council agreed on the formation of a general student club from which delegates would be picked to represent them at all meetings. This issue will be discussed more thoroughly next meeting.

The idea of a Student Senate was also brought up. Ed Simonich, vice-president of ASSM remarked on the unsuccessful attempt to organize such a body last year. The proposed Student Senate was to be on trial this year with representatives from each class, club and organization. Opposition to this was that this organization would only get one vote and would not serve any purpose that the Student Council is not already serving.

Bob Toivonen, president of ASSM, spoke on the purpose of Student Council. He said, "The Student Council is a student government. Its purpose is to represent the entire student body and to fulfill their needs. We want more student participation in the government. We want to hear constructive criticisms or plans for the betterment of the school." He also noted the small representation of students who attend the Student Council meeting and stated as a reminder that these meetings are open to all students.

Other Business

The Young Democrats and the Inter-Varsity Fellowship League were recognized as new organizations on campus. These clubs will be independent of any allotment funds.

Another point raised was to begin a fund-raising drive. Since many of the classes and organizations did not receive the money they asked for in the allotment, it was proposed that there be a nominal fee charged to anyone who does not attend the Mines in the event he attends dances and other activities. The purpose of these fees is to add to the monies being raised in the fund-raising drive.

Professor Van Matre Attends Symposium

Professor William J. Van Matre, Instructor in Mining Engineering, attended the Sixth Annual Symposium on Rock Mechanics, which was held at the University of Missouri at Rolla, Missouri, on October 28-30.

Among the approximately 300 people in attendance were prominent educators in the mineral industries, physicists and engineers from the U. S. Bureau of Mines and researchers from the leading mining and oil companies of the world.

About 30 papers were presented on subjects ranging from results of research projects to practical applications of theoretical rock mechanics.

Rock mechanics, a subject that has received much consideration in the past few years, is concerned chiefly with the materials and structures in the earth's crust and the induced and natural forces acting upon them. Practical application of the study of rock mechanics is found not only in drilling and blasting, but also in the support of mine openings.

Beryllium Contract

The Montana School of Mines recently received a sub-contract from General Astrometals Corporation in Yonkers, New York, for the supply of beryllium. The Astrometals Corporation received from NASA a contract for the design and construction of an electrolytic cell for the production of high purity, ultra fine beryllium powder. General Astrometals Corporation is a subsidiary of the Anaconda Company. The actual work of this project will take place at the Smelter in Anaconda.

Mr. Charles O. Gale, a graduate student in metallurgy, will be working on the project for his doctorate thesis; also, Dr. Griffiths and Dr. Habashi will be working on this project with Mr. G. T. Hanson, the Astrometals manager in Anaconda.

At the present time the use of beryllium is limited due to its brittleness. It has, however, a potentially great future. The high modulus of elasticity, low density, relatively high melting point, large specific heat and high strength make beryllium an attractive structural material for space applications.

EDUCATION

by Tom Downey

Looking ahead into the future of higher education in Montana, one can clearly see that a system of arbitrary laws may well be imposed upon those who must be educated in the Brave New World of 1974.

Recently, the Board of Regents University Committee decided that many new buildings must be constructed if the expected enrollments of the future are to be properly cared for. One little item cropped up as the experts pondered the problem. That item is, of course, money.

There are four possible solutions: spend more money, restrict enrollments, serve poorer educational fare or increase student fees. Out of the four possibilities, the most intelligent and reasonable, is to spend more money. The other three are, possibly, irresponsible schemes to sidetrack a vital problem. To restrict enrollments is to deny to citizens of a free country a guaranteed right. To serve poorer educational fare is a politician's answer to a responsible need. To raise student fees, or divert those fees as a means of shirking a state's responsibility to its people is crass and arbitrary. At present, student fees are used to build dormitories, student unions, field houses and other student services. Classrooms, lecture halls, laboratories all are paid for by the state, or more precisely, by the people of Montana. Through taxation we have already paid. Should we allow ourselves to embark upon a double standard and pay again? Are not students intelligent and responsible enough to decide for what uses their fees are used? Can the state, acting through its Board of Regents, oppress us with their irresponsible schemes?

The state claims it cannot afford the added cost of construction. It is amazing that the Federal Government made \$946,361 available last month for construction of academic facilities at both public and private colleges in Montana. It is equally amazing that the state's general fund as of September 30 was up to nearly \$4,000,000 from a \$1,000,000 balance a year ago. Yet, the state seemingly cannot afford much of anything. Personally, I think that the state government is overstocked with people who are satisfied with second-rate education for Montana. What do you think? Reply via the "Reader's Speak" column.

GENERAL STUDENTS—THEIR ROLE

In setting a new precedent in the School of Mines student affairs, the general students of 1964-65 will be officially recognized by the Student Council. An Advisory Committee, elected by the General Student Club, will represent the general students at all Student Council meetings to present their ideas and views on student body affairs, particularly those concerning student government. This new concept of organizing general students is to provide stronger interest in activities at this college among those students who are here for one or two years of their college life. The organization is not for the purpose of banning together to wage warfare on the engineering students and should not be viewed as such.

For years the complaint has been that general students do not take any interest in the school life and are more of a liability than an asset. This, of course, is not entirely true. The lack of interest stems from lack of recognition and respect. Now that general students command the majority, by a very slim margin, they are of necessity, demanding to be given a hearing. We have our own ideas on many matters of concern to the student body of which we are a vital part. We are interested in school affairs and desire a more vital role. We contribute economically as well as personally to the welfare and success of the School of Mines. We are not mentally limited dolts who are not able to master engineering. We are average and above-average students who are pursuing other interests. We are not here to bicker with engineering students, but to cooperate with them for a unified and vital student body. We have already given much of ourselves and our time to the school as a whole. We have large numbers in all sports, in extracurricular clubs and organizations and we contribute large sums of money to student funds. Our goal is not one of domination or troublemaking. We wish to cooperate and be cooperated with for a better student life for all. We are certain that we will be reasonably met by an admirable attitude from the engineering students and expect a very profitable year of school life for everyone.

TOM DOWNEY
Associate Editor

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Sigma Rho Entertains Governor

The Sigma Rho Fraternity house was the scene of an honorary dinner for Governor Tim Babcock on October 21. Members of the Sigma Rho and the alumni of the fraternity were there to meet the Governor.

After dinner, the Governor delivered a short speech in which he praised MSM. Governor Babcock said that MSM is "one of the most notable and necessary schools in Montana's educational system." He said that one of the reasons he was pleased to speak before the men of Sigma Rho is that it is evidence of the increasing interest of young people in politics, which he thinks is of utmost importance.

Following his speech, he answered questions from students and their guests. When asked if he thought there was a need for additional undergraduate courses in the curriculum at the Mines, such as electrical engineering, and more courses in math, chemistry and others, he answered that he felt that these courses would add to the excellence of the school. The important factor in the development of the school, is according to Babcock, the technical area, so as to contain the school to a definite purpose.

During his recent term he observed that certain parts of the University were being neglected. When a member of the audience pointed out the condition of some of the buildings at the school, the Governor said that in the past he proposed legislation for an orderly building program, subsidized by selling bonds, and that it was probable that this plan would be accepted. At present, the building of all state institutions is one of the major jobs of his office.

Another problem concerning the school was mentioned—the present system of financial appropriation. The school is given money according to the number of students, so that an accent is falsely put upon quantity rather than quality. The Governor said he had nothing to do with this system and he did not approve of it.

When asked if he would support a move to expand the Liberal Arts division of the school, he replied that he would co-operate with a movement of this sort in a limited way, insofar as it was pertinent to the original purpose of the school. He definitely thinks that an increase in finance for all educational fields is necessary, and that he will see to it that this increase materializes if he is elected.

Women's News

by Kathy Verona

On November 6, the Associated Women Students held a Pep Rally and Coke Hour in the Copper Lounge. During the Pep Rally, Coach Ed Simonich introduced team members, and also coaches Gene Downey and Dan McCarthy. The MSM Pep Band played a few selections. The cheerleaders led those present in a number of MSM cheers. Great enthusiasm was shown for the Carroll football game which was to be held the next day.

The AWS will hold a Fall Tea on November 22 from 2:00 to 4:00 p.m. in the Copper Lounge. Invited to the tea are student wives, faculty wives, MSM office employees, students' mothers who live in Montana and coeds.

Chairman of the event is Rena Richards. Committees are invitation committee, Cheryl Costello, Sandy Salovich, Carolyn Stuart, Margarette Berryman; refreshment committee, Judy Boundy, Diane Platt, Mary McGrath, Betty Dawson, Angelica Delauranti, Charlotte Matthews; greeting committee, Linda Murray, Sheila Dorgan, Carol Fanning, Vivienne Thereault; serving committee, Cathy Burke, Doreen Shea, Jane McCarthy, Ann Mullany, Dolly Labranche; decorating committee, Carol Melvin; cleanup committee, Ruth Stretch, Cheri Boehler, Cathy Sullivan, Vivienne Thereault, Leona Harrison, Patty Dunks.

Congratulations to the MSM coeds who became Homecoming royalty: Queen, Carol Melvin; Princesses, Mary McGrath, Diane McElhenny, Mary Lou Rule, and Margarette Berryman.

Congratulations also to the MSM football team and coaches for one of their best seasons of play.

The AWS will be helping the MSM Alumni to promote the selling of posters and tags for automobiles in order to raise money for the new Alumni Stadium. The coeds will be selling tags in the various stores in Butte.

From The Desk of The Student Body President

by Bob Toivonen



Congratulations to Big Ed and his fine football team, the team that never gave up. The MSM team played six games, and six times the "experts" predicted its defeat. Why then are the "experts" wrong?

Winning teams are selected because their roster includes fleet halfbacks, flashy quarterbacks and huge line-men. "Experts" do not wish to challenge the statistics and therefore choose the fastest and biggest teams as probable victors. However, items never recorded as statistics are those of determination and spirit, the backbone of a great football team, the backbone of our fine team. Those statistics are realized only by MSM's opponents while engaged in combat with our battling squad. One might gibe at the reference to combat, but the Mines' opponents are fighting for their football lives, their football reputations.

To measure victory in terms of a score only is definitely misleading. In the statistical defeat to Carroll College, our team displayed that never-say-die spirit throughout the entire game. One could sense Carroll's relief when the final gun sounded. They were glad that the game was over, glad that they didn't play the game in Butte, glad that they played the Mines only once a year. Too much was at stake for them. A Mines touchdown in the last few seconds against Eastern proves again that the "underdog" never gives up. Perhaps all of us would do well to take a lesson from our spirited team. Again, Big Ed, congratulations on your successful football season.

Have You Heard?

Rod Ylitalo wants to know what the difference is between a blonde and a regular girl? If anyone knows would they please tell him.

The cheerleaders showed up magnificently in their orange socks—if not magnificently, at least they could be seen. A few people have started calling them pumpkin legs—a very appropriate title.

Jerry Fleming added something to the Homecoming game by good naturedly consenting to be the extra cheerleader of the night. Gee, Jerry, you were a cute cheerleader and that cigar added something, too.

It happens that Huey is collecting car keys without the owners knowing about it.

Ah ha! You weren't sneaky enough Mr. Roberts. We saw you climbing in your window late one night. Next time it would be advisable to remember not to lock your keys in.

The coeds have a handy little list of eligible bachelors. Are you interested, guys?

The Sophomore Dance was the most crowded dance of the year. Rumor had it that the main attraction was going to be a "still." Saw ya all there gang!

Say, Dan Rovig, what, exactly went on at the Sigma Rho initiation party? You should know.

Tuesday, November 10, was a good night for the Butte bars. The two frats were having a hot night. Did you have fun guys?

Hey, Paulette! Did you have fun on your way back from Helena?

Sigma Rho did it again! They always come up with a laugh. How about it Rod and LeRoy, what exactly happened?

Has this favorite saying been used lately around campus?

"Tell me quick before I faint, Is I yours or is I ain't."

The wedding or bridal veil, dating back to ancient times, was first worn to conceal and protect the bride from evil spirits that it was thought would harm her if she were not veiled.

HATS OFF TO BUTTE

It is high time the students of MSM give a well-deserved thank you to the people of Butte. We seldom stop to think of the relationship between our College and the city of Butte. They complement each other, like a finger to a hand.

In the past years, the people of Butte have given unstinting support to the "Mines." Their attendance at our sporting events adds to and aids the school's competitive spirit. Butte's citizens are always generous and compliant in donating to MSM's projects and financial drives. They welcome the students as participating members in their community activities and the students do participate. The student also finds ready employment in the adjacent city.

The students, for their part, add much to the city. Their money goes into Butte's economy and the fine name and reputation of the Montana School of Mines is invariably linked with the city of Butte. The success of the mineral industry—upon which the town's very existence depends—is insured by the college and its engineering students.

The people of Butte are proud of "their college" and are extremely good to its students. This relationship is a rare one and one which must be maintained. The students, through mature behavior and decency, can, in the future, as they have in the past, provide the basis on which this relationship stands.

WILL McLAUGHLIN

Reader Comment

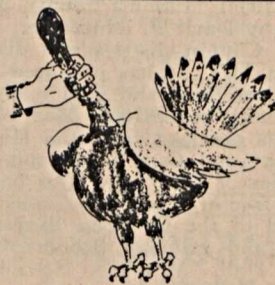
Dear Sir:

I attended one of MSM's magnificent, glorious, moving and even stirring functions the other evening and was duly impressed and humbled. This event—the "A.W.S. Coke Hour"—stirred me to the very depths of ecstatic infinity. My soul soared to heavens of bliss at the spectacle I witnessed. What a Party!

If I live to be a hundred, if all the priceless treasures of life are bestowed upon me by some twist of fate, if the secrets of life are disclosed to me, never will I again be so thrilled and moved as by the "A.W.S. Coke Hour."

There were lovely maidens, garbed in silks and attended by handsome young lads. Heavenly music filled and penetrated the air. Perfume wafted on the breeze and aphrodisiacs were served at the snack bar. What a Party! May there be many more!

Still trying to recover,
Will McLaughlin



There are three kinds of people. Those who make things happen, those who watch things happen and those who have no idea what happens.

"Hi, Harry," a man called. "I hear you've got a new car."

"Well," Harry said, "I went into an auto sales room to use the phone, and I didn't want to go away without buying something."

A scientist is a man who can rave about nylons when they're empty.

The only place in the America from which the Pacific and Atlantic Oceans can be seen at the same time is the summit of Mount Izaru, an active volcano in Costa Rica.

Fraternity News

Sigma Rho
On October 20, Tim Babcock, Governor of Montana, was dinner-guest at the Sigma Rho House. An open discussion was held after the dinner by Sigma Rho members and representatives of the classes from MSM. Questions about MSM and its academic activities were discussed.

The fraternity held its annual pledge dinner on November 10, at the Red Rooster. New pledges are Joseph Caddy, James Furaus, William MacFarlane, Robert Mateleska, Clifford Kavanaugh, Gordon Thompson, Sam Higinbotham, Robert Heaphy, Henry McCleran, Colin Redden, and Douglas Meseroll. The dinner was also attended by several MSM faculty, who are honorary members.

Theta Tau
The Theta Tau pledge dinner was held at the beginning of the month at Lydias for 32 new pledges. Professor Van Matre and Curt Peterson gave short talks on the Theta Tau founders and the success of the MSM Alumni from the Theta Tau Fraternity.

A Theta Tau initiation was held on November 10, followed by a party at the Bronx lounge. Pledges initiated were Mike Lewis, Bill Robinson, Pat Marx, Mike Arne, Carl Swason, and Chuck Donegan.

At the last closed meeting, Jim Vincelette was chosen to attend the National Convention of Theta Tau, in Columbus, Ohio, December 27-30.

Newman Club

At the second meeting of the Newman Club, Mayor Shea of Walkerville, spoke to the students on "Morals and Ethics in Politics." Father Burns, chaplin, gave a lecture at the November 10 meeting on "The Principle of the Double Effect."

A special guest of the Newman Club was Father Lies, director of the Papal Volunteers, who spoke at the November 17 session. His purpose was to inform the students of the work of the missionaries and to seek volunteers for this type of work.

Plans are being discussed for sending MSM students to Pocatello, Idaho, over the Thanksgiving holidays for the Northwest Rocky Mountain Providence Convention.

Mineral Club

The Mineral Club is an organization open to any student interested in the study and collection of minerals. In addition to its monthly meeting there are a number of field trips organized to visit some of the many interesting mineral occurrences and localities in the state.

There have been two such field trips so far this year. The first one was to Varney, near Ennis, to collect samples of garnet and kyanite; and the second trip was to Montana City to collect specimens of chlorite, epidote, and garnet. There will be more of these trips in the future if weather permits. Also, throughout the coming year, there will be several speakers at the meetings to give talks on various aspects of geology and mineralogy.

Three-fifths or more of a mutilated United States paper currency bill, note or certificate is redeemable at face value by the United States Treasury Department. When less than three-fifths, but more than two-fifths of the original bill remains, it is redeemable at one-half of its face value.

International Club

The International Club, which is a member of the Collegiate Council for the United Nations, is open to students from every nation. About half of the Club's membership includes students from foreign countries such as Chile, Pakistan, India, Mexico, Canada, Peru and Lebanon. Meetings are held every other Monday at 7:00 p.m. in the SUB. Members discuss future activities, plan visits to service clubs in Butte and decide where and when students will present talks about their countries.

Talks which have been presented are "Quetta, Pakistan" to members of the Salvation Army Corps by Mansoor Awan, and "Lebanon" to the AIME organization by Raif Zacca. Angus Hemp will present a talk on "Johannesburg, South Africa," sometime in December. Students of the Montana School of Mines and the public will be invited to attend this meeting.

Future activities will be a hayride at the Columbia Riding Club, November 20, and a formal Easter Dance in March. For the Easter Dance, students will prepare foods typical of their country.

Wesley Foundation

Dr. Robert Kroeze, surgeon, was guest speaker at the November 16 meeting of the Wesley Foundation. His topic "Marriage and Family Preparation," was very well received and was followed by a group discussion. Following the discussion, the group enjoyed a pot-luck dinner.

On November 30, Reverend John Davis, Aldersgate Methodist Church, will also choose the subject "Marriage and Family Preparation" and present his Church's views on this subject.

Other activities sponsored by the organization were a Halloween party and a Retreat held October 23-25. Several members attended a Hootenany in Dillon.

Future plans include a November 27 social gathering for college students who are home for the Thanksgiving vacation. Reverend Charles Nowlen, Mountain View Methodist Church, will be present at the December 7 meeting in order to initiate the Advent season. Christmas caroling and a Christmas party are also on the agenda.

Pep Band Goes To Carroll

When MSM's football team went to Helena to oppose Carroll College on the gridiron on the seventh of November, it was accompanied by the PEP BAND, which is newly organized, but whose members possess an impressive amount of technical skill, experience and discipline. Members of the band have already proven their ability to arouse an enthusiastic spirit among the fans, having displayed their skill at the MSM-Rocky Mountain College game after two practice sessions.

Due to unavoidable delays, the band was unable to play much in the first quarter, but from the beginning of the second quarter marches followed one after another for the remainder of the game at regular intervals. Considerable comment has been heard to the effect that when the PEP BAND plays, we win; and who knows how things would have turned out if the band had been in attendance at the Carroll game from the very outset.

Mr. Rod Lewis, director of the BAND, states the MSM was very fortunate when the decision was made to form this band in that the balance of instruments was most encouraging. As the BAND is now constituted, there are three trumpets, four saxophones, two clarinets, one tuba, one French horn, two trombones, one piccolo and two drums.

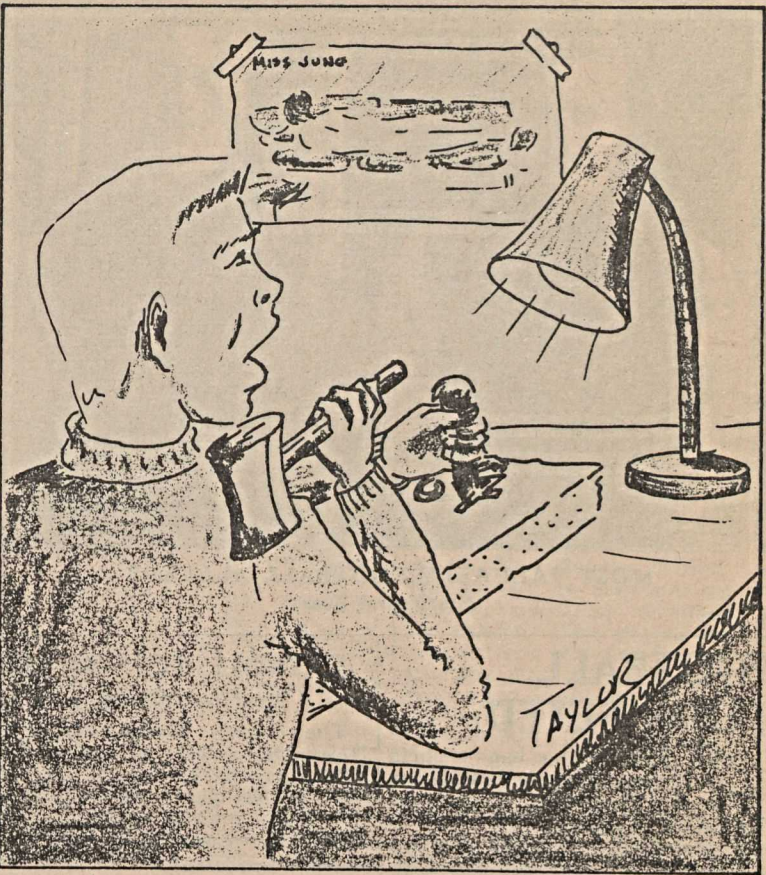
Mr. Lewis states that there is room in the band for additional players in all sections. Additional music has been ordered with more sophisticated arrangements. The band will have these new compositions mastered for basketball season in December, when an unprecedented amount of MSM's enthusiasm and college spirit will be communicated to players and fans alike to make MSM a name to be reckoned with in all sports. The BAND hopes to be able to go to one out-of-town basketball game, possibly to Billings, to urge their team on to victory.

Frederick William, Crown Prince of Germany, from the time of his birth in 1882 until the downfall of the Hohenzollerns in 1918, was called the "Laughing Murderer of Verdun" by his enemies during the First World War.



George II, who was King of Great Britain from 1727 to 1760, and who regarded himself as a military genius, was the last British sovereign to take an active part in a military campaign and to participate in a battle.

Ireland, Hawaii, Iceland, Crete, Malata, New Zealand and many other small islands are devoid of snakes.



NO, IT'S NOT A HEADSTONE - IT'S A LAB REPORT FOR MANNON, HE GRADES BY THE POUND !!

Young Democrats Club

On October 22, the Young Democrats held a meeting with Mrs. Norma Kail as the guest speaker. She spoke of the importance of work done by the precinct workers and of the committeemen. She also spoke of the duties performed by the Credentials Committee at the National Democratic Convention, which she attended as a delegate.

The club held its third meeting on October 29. At this meeting a committee was appointed for the purpose of drafting a club constitution. It was decided that the club would hold its meetings on a monthly basis.

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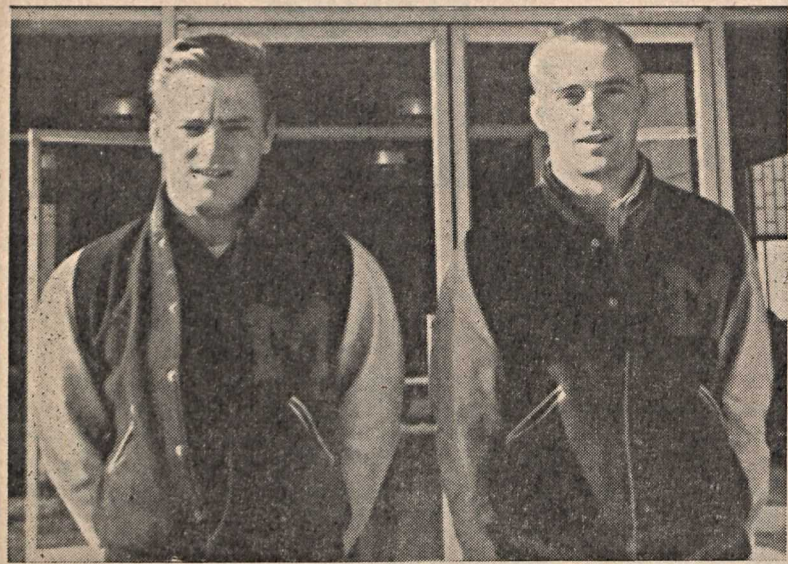
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MOST VALUABLE FOOTBALL PLAYERS
Starin and Leary

FOOTBALL TEAM FETED

Guest of honor at a banquet held at the Shanty Bar and Cafe on Wednesday, November 11, were the 1964 MSM football team. Awards were presented to various members of the team for their individual efforts during a very successful season.

Chuck Starin—Most Valuable Player

Although 160 pounds is small for a lineman, Chuck Starin proved that desire and courage can make up for lack of brawn, and received the coveted award as the Most Valuable Player. Members of the team voted for their choice of M.V.P. and Starin was the winner. He was also chosen as the Best Lineman of 1964.

Pat Leary—Best Back

Sophomore Pat Leary received recognition as the Best Back of the Oredigger squad. A letterman, Pat improved considerably over last year and was duly accorded his well-deserved honor from his fellow teammates.

Co-Captains

Seniors "Jocko" Evans, Ed Simonich and Bill Madison were selected as co-captains of the team. They were also chosen by the team players. Evans, Simonich, Madison and Curt Peterson were presented with their jerseys by Coach Simonich as a tribute for their four years of service to the football team at MSM.

Speakers

Coach Simonich, President Koch, Assistant Coaches Gene Downey and Dan McCarthy, Alumni President Frank Antonolli and several others all gave speeches of praise to the team for the fine season of football. Sam Spiegel, who played for the Mines in 1911-1914-15-16, sent a note of congratulations to the MSM representatives at the banquet.

Bright Future Ahead

Coach Simonich and his long-time assistant, Dan McCarthy, noted the growing improvement of the football team during the last three years and both predicted the years ahead as promising a bright future of increasing wins. "Big Ed" recalled some highlights from his coaching career here at the Mines. He expressed his pride and congratulations to the team and was equally praised for his dedication to the sport of football at the School of Mines by alumnus, Jack Harvey, and Ed's two able assistants, McCarthy and Downey.

CARROLL TOPS MINES

by John Giacomino

The Carroll College Saints of Helena defeated the School of Mines Orediggers by a score of 16-6. It was the last game for both teams and was considered non-conference. The teams, rivals for many years, strived hard for the win. Carroll scored 9 points in the first period of play. The Saints' John Etchart booted a 15 yard field goal and Tom Boyle raced 36 yards for the touchdown.

In the second quarter, the Mines hammered at the Saints' defense and bulldozed their way to the one yard line where they fumbled. This left the halftime score at 9-0 in favor of the Saints.

Coming into the second half, the Orediggers rampaged downward to the Saints' 20 yard line. They were halted abruptly when Carroll recovered a fumble and ran it back to the Mines 13 yard line before being stopped by senior center Ed Simonich. Jullio Bilbao then exploded off tackle for the touchdown and John Etchart added the PAT for a 16-0 Carroll margin. The spirited Mines' offense almost hit paydirt once again on a screen pass to Daily, but one Carroll defensive safety stopped the touchdown attempt.

A spectacular catch and run by halfback Pat Leary gave the Mines their only touchdown of the game in the fourth quarter. Daily's extra point attempt was blocked.

Fumbles throughout the game slowed the Orediggers offensive unit and set up the Carroll touchdowns. The Mines ended up with a 2-3-1 record in the Montana Collegiate Conference.

INTRAMURAL SPORTS

Another season of intramural activities is being brewed by Ed Simonich in the Athletic Department. Basketball, volleyball, table tennis and handball will come first on the agenda — with softball and tennis coming later in the season. This year there are twelve teams signed up for the basketball contest, which will begin immediately after the Thanksgiving recess. Table tennis and handball consist of singles and doubles events. As of today, eighteen singles and ten doubles contestants have submitted their entries, in handball, nineteen and eleven entries respectively.

Those who are interested in any one or all of the above intramural sports may sign up with Mr. Simonich at his office.

MINERS HEAD LOWER DIVISION

With the close of the football season and with the tally of wins and losses, the Orediggers emerged with a new school record—the best in twenty years. The School of Mines shared the Lower Division Championship with Rocky Mountain College at Billings.

The Upper Division and the Montana Collegiate Conference was taken by Eastern Montana College with a record of four wins and one loss. The Upper Division, consisting of Eastern, Western and Carroll, had the advantageous size, experience and choice of players on their teams; however, many of their games played against lower division teams were lost and won by very slim margins.

The Mines, in tying with Rocky, beat them 12-6 on one occasion and tied them 6-6 in Rocky's Homecoming game. The Orediggers of the Mines and the Bears of Rocky ended their seasons with two wins, a loss and a tie

Teacher (irritated) — "If there are any morons in the room, please stand up."

A long pause, and a lone sophomore rose.

Teacher—"What, do you consider yourself a moron?"

Sophomore — "Well, not exactly that, teach; but I do hate to see you standing all alone by yourself."

The person who has everything should be guaranteed.

BASKETBALL BEGINS

by John Giacomino

The 1964-65 basketball season got underway for the Montana School of Mines Orediggers on November 1. There were 18 members vying for the Varsity squad. Since November 1, the team has been cut to eleven men excluding football members. There are approximately seven football players yet to participate. Coach Simonich stated that he will have another cut in the near future. He hopes to maintain a squad of between twelve to fifteen players.

The season's schedule is as follows:

December

4 and 5—Ricks College (H)

January

9—Northern (H)

15—Eastern (T)

16—Rocky (T)

19—Western (T)

23—Northwestern Nazarene College (H)

29—Rocky (H)

February

8—Eastern (H)

12—Northern (T)

13—Carroll (T)

16—Western (H)

26—Carroll (H)



OREDIGGER CO-CAPTAINS
Evans, Simonich, Madison

Monograms For The '64 Football Season

by John Giacomino

There were twenty-five of thirty-four members of the 1964 football team that received their letters. A player needs twelve quarters to earn his letter for the year. Those receiving their monograms for this year were

4 years—Ed Simonich and Curt Petersen.

3 years — Bill Madison, Jocko Evans, and Bill Robinson.

2 years — Chuck Starin, Mike Lewis, John Giacomino, Tom Downey, Terry Hebert, and Pat Leary.

1 year — Byron Crooker, Ken Tholstrom, Pat Marx, Chuck Cartwright, Steve Sands, Bob Seidel, John Cavanaugh, Ron Glovan, Bill Hicks, Ron Koehler, Henry Scholz, John Sutey, Bill Daily, and Creighton Barry.

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Yellowjackets Defeat Orediggers

by John Giacomino

The league-leading Eastern Montana Yellowjackets romped over the Montana School of Mines Orediggers 34-7. Eastern scored in every period except the second. The Yellowjackets win gave them a 3-1 record in the Montana Collegiate Conference.

In the first quarter John Strange of the Yellowjackets scored twice. The half time score put Eastern in the lead 13-0.

Starting the third quarter of play, the spirited Mines started clicking toward the goal line but a mighty mass of Yellowjacket weight stopped them short. Another opponent halfback, Bob Loughrie, whipped past the Mines' defense for the third touchdown. With much enthusiasm, and many injuries, the Mines halted additional Yellowjacket threats in the third period.

Immediately in the last period of play, Eastern set up two more touchdowns. One came from Don Hammel and the other from John Row, who went 53 yards for the most outstanding play of the game. The Orediggers scored in the last seconds of play when quarterback Bill Robinson hit Ken Tholstrom from 12 yards out.

The ball was fumbled by two Eastern players before Tholstrom snatched it from them. Another Robinson to Tholstrom pass gave the Mines their needed extra point.

Ron Gambish kicked four of five extra point tries for Eastern. The Mines entered the game without the services of fullback Bill Daily who suffered from a hip injury inflicted at practice; however, the Orediggers' reserve fullback Curt Peterson, filled the vacancy with an outstanding performance.

Considering the size of the Yellowjacket line, the Mines defensive unit looked good.

LOCKER-ROOM GOSSIP

Nothing much has happened in gym lately but there are a lot of good rumors going around:

Somebody please tell Susie Ke-part that you can't find Bill under the B's in the card catalogue.

What's this about Baby Janie going to gym in a sexy black slip and a shrunken blouse?

How is it that the judge of Boys' State was observed drilling holes in the girl's locker-room door? How about it, Gary?

Judy Hayes seems to possess an abundance of physical prowess. We all saw her do two complete sit-ups in perfect form the other day.

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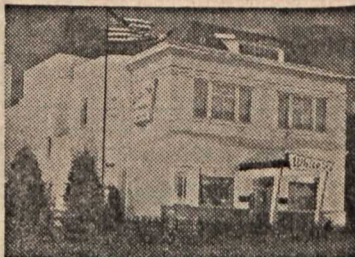
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